

## UCC Provides Financial Help For TV Course

**Modern Chemistry Will Be Taught By Florida Professor**

Union Carbide Corporation has joined the group of leading American industries providing financial backing for the NBC-TV Network's "Continental Classroom" course in Modern Chemistry to be broadcast in 1959-1960.

In a statement issued recently, Morse G. Dial, Chairman of the Board, Union Carbide Corporation, said:

"Union Carbide Corporation is delighted to have the opportunity to participate in the support of 'Continental Classroom' in Modern Chemistry. As a chemical corporation engaged in basic scientific activities, the standards of scientific education in this country are vital to us."

The American Chemical Society and the American Association of Colleges for Teacher Education are the network's co-partners in presenting the course. In addition to Union Carbide Corporation, seven other leading industries and the Ford Foundation are providing financial backing for "Continental Classroom." The industries are: Bell Telephone System, E. I. du Pont de Nemours & Company, General Foods Fund, International Business Machines Corporation, Pittsburgh Plate Glass Foundation, Standard Oil Company of California and United States Steel.

The two semester college-level course in Modern Chemistry will be televised in color Monday through Friday, from 6:30 to 7 a.m. local time, starting Sept. 28. It will be a study of the fundamental principles of chemistry and a survey of recent developments. Dr. John W. Baxter, who will be on leave from his post as professor of chemistry at the University of Florida during 1959-60, will be the teacher. Nobel Prize-winning chemists and other outstanding scientists will be guest lecturers.

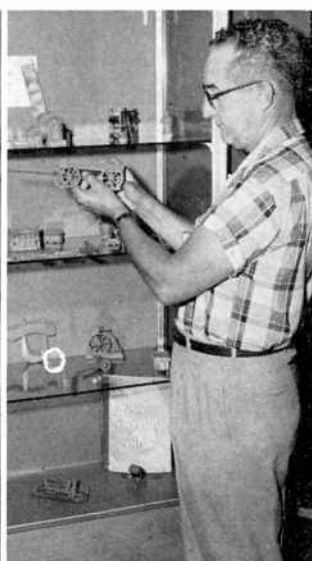
Chemistry was selected as the "Continental Classroom" offering for 1959-60 because of a critical shortage of teachers in this field. Nearly 300 colleges and universities throughout the nation are expected to offer the TV chemistry course for academic credit.

Modern Chemistry, planned primarily for high school science teachers, will be telecast from Sept. 28 through May 27. In addition to teachers in service, a large audience of college students, gifted high school pupils, chemists, chemical engineers, and others who wish to enlarge their knowledge of the field are expected to be regular viewers.

Network television's pioneering effort to help repair the critical national lag in qualified science instruction, "Continental Classroom" was launched in Oct. 6, 1958, with a two-semester college-level course in Atomic Age Physics. In addition to Modern Chemistry, Atomic Age Physics will be repeated by television tape recordings and kinescopes from 6 to 6:30 a.m. local time starting Sept. 28.



AN INTERESTING HOBBY OF WOOD CARVING IN MINIATURE is displayed by Y-12er Roy C. Smith, Beta Two. At left he is holding a tiny stage coach. The center picture shows his artistry on exhibit at the Oak Ridge Public Library. At right the Y-12er is holding a small farm wagon.



## Y-12 Employee Has Interesting Wood Exhibit

**R. Smith Wins Ribbon At 1959 Hobby Fair; Display Draws Praise**

A Y-12er whose intricate miniature wood carvings won a blue ribbon in the 1959 Hobby Fair staged by the Oak Ridge Recreation Department, has had his interesting exhibit of many finely carved articles on display at the Oak Ridge Library for several weeks. The display has attracted wide attention and praise from throngs of viewers.

The Y-12er with the gift of artistry in his sharp "whittling" knife is Roy C. Smith, a chemical operator in the Y-12 Beta Two Department. He lives at 116 Magnolia Lane, Oak Ridge.

### Carving Eases Tension

Smith began his wood carving—he calls it "whittling"—only about a year and one-half ago. He declares that his hobby has proved to have a therapeutic value as well as creative pleasure. Like many persons, the Y-12er lives under tensions of modern life, but when he picks up a block of wood, opens his plain pocket knife and begins to whittle — his tensions leave immediately.

Smith's hobby began when he saw a little log cabin someone else had carved. Filled with American ingenuity, he decided "Why, I can do that," and proceeded to do it.

This first little mountain cabin he carved is in the Library display—as are some more ornate Colonial type houses.

### Never Had Art Lesson

Smith makes no preliminary drawings or patterns for his carvings. He has never had an art lesson and his knowledge of proportion is strictly intuitive. He carves mostly from redwood, but has used cedar sometimes.

The most outstanding attribute Smith's miniatures display—whether they are houses, boats, bicycles, furniture or other articles—are their completeness of detail. Small oxen really could be yoked in the tiny yoke carved by the Y-12er. All the little wheels turn on each tiny vehicle. The rooms in each little house are hollowed out so that lights could be used in them. Even the paddle wheel of a steamboat will turn.

In the display case of Smith's carvings is a little recreation center. In this corner are a miniature croquet set, pool table and set of golf clubs. Anyone wishing to take

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## AEC Starts New Program

The Atomic Energy Commission recently announced a new program which will provide students of small undergraduate colleges the opportunity for specialized training in the techniques of using radioisotopes.

The new program will utilize a 35-foot, bus-type, mobile training laboratory which can be moved to the college campus for presentation of a short, (two-week) concentrated course on the basic techniques of handling radioisotopes. The mobile laboratory will be similar to one presented last year to the International Atomic Energy Agency by the United States.

The new program is expected to start in the fall of 1959, and initially will be available to colleges in the South and Southeast. It is particularly intended to serve the smaller colleges whose nuclear facilities are limited.

Scientists and technicians from the Oak Ridge Institute of Nuclear Studies, which will administer the program for the Commission, will accompany the mobile radioisotope laboratory to the colleges to lecture and direct laboratory experimentation. The course to be presented will be a condensed version of a basic course which has been conducted in Oak Ridge by the Institute since 1948, training several thousand research personnel from the United States and many countries abroad.

The mobile radioisotopes laboratory will be equipped with hoods and sinks and will be air-conditioned. Six students at a time will be accommodated in the lab-

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## Payroll Plan To Buy Bonds Urged In Y-12

Let's keep Uncle Sam's hat on tight—it can be done by Y-12ers by buying United States Series E Savings Bonds through the Union Carbide Nuclear Company payroll deduction plan.

The American people speak with pride of living in a country of newer and better ideas, with a priceless heritage and record of industrial efficiency. All these need protection—both by and for the nation. This protection can be obtained by buying the U.S. Series E Savings Bonds through the payroll deduction plan.

In homes of the nation, thrift does not mean hoarding money—but rather the wise distribution of funds. Saving is a part of thrift—and can be done readily by buying U.S. Savings Bonds through the payroll deduction plan.

United States Series E Savings Bonds come in denominations of \$25, \$50 and \$100 and pay three and three-quarters per cent interest at maturity.

Many Y-12ers have bought these bonds through the painless payroll deduction plan, with deductions to fit their income. All that is necessary is to go to the office of the Timekeeper on the first floor of Bldg. 9711-5, the Y-12 Cafeteria, and sign a payroll deduction authorization card for whatever denomination of bond is desired at the rate of deduction desired. Timekeepers in various parts of the plant also have the deduction cards, which may be obtained on application.

## Temptation To Talk Must Be Avoided

The entire world is being reminded through the press, radio and television of the importance of the work done at Oak Ridge, at Paducah, and at other AEC installations. With this in mind, we should remind ourselves of the tremendous responsibility of those assigned to these projects.

The enemies of freedom, who are also the hostile competitors in the field of atomic energy, have been assisted by carelessness of irresponsible people who were trusted. We must accept as a full time assignment our individual responsibility for the classified information in our care.

To be diligent in this means resisting the temptation to talk about it with friends, members of the family, or uncleared colleagues, however trustworthy we may think them to be.

The government has by law declared this care of information to be a matter paramount to the national defense (Atomic Energy Act, 1954). The gravity of the individual's position is set forth in the security acknowledgement which every employee of the Commission and its contractors sign upon accepting a position.

Under provision of Section 227 of the Atomic Energy Act of 1954, whoever gives Restricted Data to any person not authorized to receive it, regardless of the circumstances, is subject to prosecution and severe penalties if convicted.

The integrity and responsibility of the individual scientists, administrator, craftsman, or clerk, are far stronger forces for success than the legal penalties provided for failure.

## McBee Family Expresses Appreciation To Y-12ers

Loretta and Carl McBee, both of the Y-12 Maintenance Division, wishes to express their sincere gratitude to all Y-12 people for all the help and condolences during their period of tragedy recently. Carl remains hospitalized with severe burns while Loretta has burns on her hands and is unable to write at the present time.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
13 Days Or  
354,000 Man-Hours  
(Unofficial Estimate)  
Without A Disabling  
Injury  
Through July 12  
Phone 7755  
For Daily Report  
On Accident-Free Hours

## Iowa State College Man To Address Physics Group

Roland H. Good, research participant from Iowa State College, will speak at the next physics seminar session of the ORNL physics division on Friday afternoon of this week, July 17. The meeting will be at 3:15 p.m. in the auditorium of Bldg. 4500, ORNL. The discussion subject will be "Theory of Massless Particles."

Any Y-12 employee interested in the topic is invited to attend the seminar.



# The Bulletin

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## Water Safety Rules Must Be Observed To Prevent Mishaps

"Come on in—the water's fine!" During the steaming hot days of summer, this is a universal call; and millions of men, women and children respond with enthusiasm by flocking to their favorite swimmin' hole.

However, water was not intended as our natural habitat. This fact is soberly reflected in the annual statistical reports of death-by-drowning. You might say (and stand accused of being a kill-joy), "Come on in, the water's fine, but deadly!"

The surest way to prevent drowning would be to avoid water completely. However, swimming is a healthful, popular recreation and can be as safe as taking a walk, if you are willing to follow a few simple rules.

1. Never swim alone in a pool or body of water.

2. Swim with a "buddy." If something happens, you have a helper or "holler-guy."

3. Swim only when a qualified lifeguard is in attendance. This applies to children, particularly. Swimming should be supervised for the "little ones."

4. Swim before, never immediately following the picnic lunch. After a meal, the body's energizing forces are concentrated on the digestive processes. Going for a swim may interrupt digestion and result in cramps.

5. Familiarize yourself with the swimming facilities. Know the depth of the water and the location of any under-water obstructions. We laugh at the cartoon depicting the "poor fool" halfway down from the high springboard when he discovers the pool is empty. However, it is no longer a laughing matter, when we see the facts of the many injuries sustained by swimmers who dive into shallow water, or water with rocks, stumps, et cetera, lurking slightly below the surface.

6. Children and Young Adults: Don't overestimate your swimming ability. Take swimming lessons. Don't stay in the water too long. Remember, you're a human not a fish.

7. Young Adults: Keep a watchful eye on the smaller children. Beware of dangerous horseplay!

8. Middle-age Adults: Swimming is strenuous, if you're not used to it. Why not take a tiny dip, then relax on the beach and study the landscape.

9. Boating Safety: there are many rules for the safe use of boats, depending on type and location. For simply rowing and/or canoeing use common sense and don't engage in rowdy horseplay.

10. USE COMMON SENSE: There are many potential situations that may arise, and it is impossible to make a rule for all of them. Use caution and plain horse-sense.

So, come on in — the water's fine! Practice water safety and go swimming more than once.



By the time The Bulletin hits the street this week, ye olde column conductor himself, Mr. GWD, will be back in the harness and I imagine we will be listening to a few sea stories from Daytona Beach, better known as South Oak Ridge.

So on with the chatter and first up is:

### FINANCE AND MATERIALS

**Bobbie Hill**, ace reporter, states that **H. I. Estey**, of the Property Department, is vacationing in Oak Ridge. Best wishes go with **Kathryn Ellis**, of the Mail Department, who terminated recently to await the arrival of the stork. Congratulations to **Tom Hillard**, of Print Reproduction, who is getting married to Margaret Ann Brown, of Oak Ridge—they're heading for a honeymoon jaunt to Daytona Beach, following the wedding. **J. G. McArthur**, of Design and Composition, is vacationing with his parents in Tullahoma, Tenn.

Get well wishes are sent to **Betty Heath**, who is in the Fort Sanders Hospital, with injuries suffered in a car wreck near LaFollette.

### SHIFT SUPERINTENDENTS AND UTILITIES

**L. L. Kilgore**, of the Steam Plant, is vacationing — hopes to finish his cabin on Watts Bar Lake.

**A. S. Howell**, of Utilities, is planning a trip to Florida on his long break. **W. A. Eubanks** is vacationing in the state of Washington—visiting his son. Welcome back to **J. A. Woods**, who has been ill. **R. B. Amos** is spending his week using his new camping gear at Norris. The **W. S. Everetts** journeyed to Middle Tennessee and Gatlinburg. Congratulations to **J. C. Yarbrough** who recently won a boat and trailer.

### ENGINEERING

**Warren Niles**, Civil and Architectural Department, is leaving for Wisconsin the week of July 19 to give the finny tribe a run for their money. **Frank Dickey** was off last week, probably working on his car which he recently acquired. **Hank Norris** took off for Florida. **Tom Hastings** will probably wander over to Nashville for his vacation.

A newcomer, **P. J. Anderson** is welcomed into the Mechanical Engineering group. Also **Spence Ferguson** is welcomed in. **L. F. Hemphill** and family have enjoyed a visit from his parents of Chicago, Ill., for the past two weeks. **Clara Hickey** and spouse had a steak fry Sunday evening at their cabin on Eagle Point Drive, Watts Bar Lake with **Eleanor Bennett** and son Randy as their guests. **E. E. Palmer** is scooting around in a fashionable Fiat these days and getting fine gas mileage, too.

The **P. F. Boyers** are basking on the sands of Daytona Beach. **Bill Hood** is still down in the dumps over a sizeable tarpon that got off his hook while he was down in Florida recently. "That fish gets bigger every time I tell about it," says Bill, tearfully.

### CHEMICAL OPERATIONS

**W. A. Inklebarger**, Chemical Department, is taking it easy this week, followed by two weeks at summer camp with the Army Reserve at Ft. Eustis, Va. **R. J. McAlister** and family are at Myrtle Beach. **J. R. Martin** stayed at home in Rockwood. **Lena Faith** and family spent the long week-end in Washington, D.C. Congratulations are in order for **H. R. Swallows** — the occasion was the birth of a son on July 4—his name Mark Clark—wt. 10 lbs. 15 oz. The department sends congratulations to **R. E. Pope** and his wife—their son, Jackie, has been invited to play in the Eleventh Annual High School All-American North-South Football classic in Baton Rouge, La., on July 23. Jackie has won practically every football honor available to a high school player and has accepted a football scholarship to the University of Tennessee.

**Eleanor Duke**, Product Processing, is welcomed back to the department. **Jean Schill** and husband spent a recent week-end in Atlanta. **R. R. Feron** is the new father of the week—he has a new daughter, born on Independence Day.

**E. E. Breazeale**, Colex Operations, went up to help dedicate Cumberland Gap National Park. **M. R. McKenzie** and family vacationed at home with short trips to the Smokies, Chattanooga and North Carolina. **Lloyd Hamby** also stayed at home helping a friend build a new house.

Welcome back to **C. C. Verboom** after an extended illness. The department extends deepest sympathy to the family of **L. O. Heath** on the death of their little girl, Gwen. **Jack Minton** took his leisure time at home with a side trip to the mountains. **R. R. Duff** took off to Nashville. A fond farewell goes to **Pat Dabbs**, who transferred out of the department. **W. C. Asbury** enjoyed a nice get-together with his daughter and family visiting from Cleveland, Ohio.

### TECHNICAL

**Doyle Martin**, Production Analysis, is down in Georgia with the military folks — then he is moving on to Florida for a week's vacation. **Tanya Ditchen** vacationed around home in Oak Ridge. Get well wishes are sent to **Harry King** in the Oak Ridge Hospital. Farewells are bid to **Betty Creigh** who is leaving to await the new arrival.

**Nell Miller**, Laboratory Opera-



**KAY SIDERIS**, OF THE Y-12 ENGINEERING DIVISION, is shown above arranging various Greek articles which will be exhibited on Sunday, July 19 at 8 p.m. in the Starlight Room at the Oak Terrace. The Greek Section of the Cosmopolitan Club in Oak Ridge will be in charge of the program which will include color slides of Greece, an exhibit of various Greek arts and crafts, folk dance and classical music of the country and a demonstration of several native Greek folk dances. Greek refreshments will be served. The public is invited to the event.

tions, entertained friends from Detroit, Mich., and McKenzie, Tenn., recently. **Nola Cherry** and family spent a recent week-end in Gatlinburg. **Ann Wenzler** has been entertaining relatives from Memphis. **Aldeen Gables** spent her vacation at home in Rockwood. **Rella Davis** spent her week in LaFollette. **Rossella Davis** is back from vacation. Get well wishes are sent to **Louise Beets**, who is ill at home in Clinton.

Best of wishes go with **Evelyn Lowery**, Radiation Safety, who left July 10 to take up full-time housekeeping duties. **J. M. Patterson** is taking a week—going to Miami and Panama City. **Roy Roberts** is going to Missouri to visit in-laws. **C. M. West** is visiting his folks in Alabama.

### MECHANICAL OPERATIONS

**C. H. Turner**, of the TW Shop, is doing a lot of fox hunting while on vacation. **C. F. Murrin** is at Naples Beach, Fla., taking it easy swimming and sunning. **J. L. Devaney** is visiting friends and relatives in Indiana. **R. F. Wilson** is spending two weeks with relatives in San Antonio, Texas. **H. E. Stout** is catching up on his fishing at Hickory Star Lake. **E. Branam** is working on his new home at Jacksboro. **M. J. Sharp** is boasting of a new baby boy born June 27—wt. 8 lbs., 12 oz.—name—Michael Dean Sharp. Vacation news from **Tim Watt** hits the front as **H. E. Dake** is

fishing and camping in the Smokies. **C. D. Ward** off to Caryville and Cove Lake. **T. C. Pack** going to Miami. **E. F. Litton** staying at home in Rockwood. **J. W. Henderson** catching up on his farming. **Tommie Luffman** going to be a stay-at-home in Harriman. **E. F. Gibson** visiting relatives in North Carolina. **A. Mitchell** is taking it easy around home. **Ben Bailey** and **Bob Loy** went golfing over at Martel recently. **M. B.**

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Get well wishes are extended the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

**R. T. Huffman**, **E. J. Rogers**, **J. W. Nelson** and **C. G. McBee**, Buildings and Grounds; **Freddie Jeffers**, Engineering Records; **S. H. Kesterson**, Guard; **Janice Gore**, General Machine Shop; **W. C. Gordon**, Sunflower Shop; **J. T. Gallups** and **E. P. Canady**, Research Services; **Glen Neal**, TW Shop; **W. E. Warren**, Colex Auxiliary Operations; **J. C. Stutts**, Process Maintenance; **J. A. Marsh**, Tool Grinding and Machine Maintenance; **W. G. Butturini**, Z Area; **J. C. Queener**, Laundry.



THE SMOKY MOUNTAIN GUN COLLECTORS ASSOCIATION is one of the newest and most novel in Oak Ridge and has a membership of about 70, many of whom are Y-12ers. At left above are some of the Y-12 members, from left being **W. T. Scandlyn**, Research Services; **M. C. Wiest**, president of the club, Contract Administration Engineering; **Allen Howell**, Utilities; **Walter Norman**, Sunflower Foundry; **Neil Parrish**, Enriched Uranium Recovery; and **Carl G. Brewster**, Medical. In the



picture at right members of the group are inspecting arms owned by other members with the objective of swapping or selling items. The next meeting of the club will be at 8 o'clock Saturday night, July 25, at the Ridge Recreation Hall. Y-12ers wanting to join the organization are cordially invited by President **Wiest** to attend.



## Reactors Win Tilt In Plant League

The rampaging Reactors moved into a first place tie with the Whiz Kids in the Y-12 Plant Softball League last week by whipping the Sportsmen by 11 to 2. The Reactors banged out 10 hits off the offerings of Bill Sise. The winners got off to a four run lead in the first inning, then added four more tallies in the third inning to take a commanding lead. Hawkins twirled a fine game for the Reactors while Sise also turned in a nifty pitching job and slammed out three hits for the Sportsmen.

Chandler and Dyer led the Reactors at bat, each getting two hits.

A playoff game between the Whiz Kids and Reactors was scheduled for last Monday night to determine the first half champion in the league. Complete details of the playoff game will be carried in The Bulletin next week.

Line scores and league standing follows:

Team	R	H	E
Reactors	404	120	0-11 10 0
Sportsmen	100	001	0-2 6 0

Team	W	L
Whiz Kids	8	2
Reactors	8	2
Sportsmen	6	4
Atoms	6	4
Slow Pokes	2	8

## Hunt Applications Are Now Available

Hunting groups who plan to participate in the drawing for the Tellico party bear and boar hunts may now obtain hunt application forms, according to Jack Rogers, District Game Biologist for the Game and Fish Commission. These hunt forms are now available at the Commission's Knoxville office, Room 1-G, State Office Building, or may be obtained from John Lovin, Area Manager of the Tellico Wildlife Management Area at Tellico Plains, Tennessee.

All hunt applications must be mailed to the Nashville Office of the Game and Fish Commission and must be postmarked not later than July 25, 1959. The drawing for the hunts will be held at the Public Square in Tellico Plains at 1:00 p.m., Saturday, August 8, 1959.

## Marksmen-Masters Tied In Pistol Loop

The improving Marksmen and Masters are all tied up for first place in the Y-12 Pistol League after the firing was over last week. The Marksmen took two tallies from the Experts while the Masters came through with a two point win over the Sharpshooters.

T. J. Bush, of the Marksmen, led his team to victory by posting a 264 scratch score while D. E. Bailey had a 288.600 handicap score. D. R. Alford, of the Masters, fired a fine 272 scratch boosted to 288.587 with handicap.

Team	W	L
Marksmen	9	7
Masters	9	7
Sharpshooters	8	8
Experts	6	10



YIELDED BY THE ATLANTIC OCEAN OFF DAYTONA BEACH recently was this big assortment of deep sea fish to J. M. Johnson, Buildings and Grounds, center, and his two companions, Charles Amis, left, and Roy Frazier. Included in the catch are red snapper, amberjack, dolphin and grouper—all caught on cut bait.

## Oak Ridge League Has Shutout Wins

Two whitewash wins marked the main activity in the Red League of Y-12 golfers in Oak Ridge on July 1 as the combination of Logan Emlet and Arthur Hines tagged a six-point loss on the duo of Oxford-Collins. Nelson Tibbatts and George Mitchel took a forfeit win over Brown-Nichols. Jack McLendon and Bill Mee, the league leading team, won over Bailey-Stoner by a four point margin while Jay Holzknicht and Paddy Peckman took a like number from Speas-Peterson. Other league action found Harold Ratjen-J. D. Davis winning five points from the team of Gilcrease-Crow and Clyde Hopkins-Bill Belvin clipping Youngblood-Burkhart for four points.

Low scratch and handicap scores for the week included, Davis 43-33, Peckman 40-34, Peterson 41-35, Crow 46-35 and Ratjen 46-36.

Team	W	L
McLendon-Mee	36	12
Holzknicht-Peckman	33	15
Boyd-Oliphant	30	12
Hopkins-Belvin	30	18
Emlet-Hines	29	19
Speas-Peterson	27	21
Tibbatts-Mitchel	27	21
Ratjen-Davis	25	23
Youngblood-Burkhart	22	26
Brown-Nichols	21	27
Underwood-Olson	19	23
Oxford-Collins	13	35
Gilcrease-Crow	12	36
Bailey-Stoner	6	42

## East Tenn. Lakes Get Large Plantings

Trout and Salmon plantings made in East Tennessee lakes and tailwater streams during the six months period ending June 30, now total 497,075 fish, according to Price Wilkins, Principal Trout Biologist for the State Game and Fish Commission.

The waters, numbers and species of fish stocked are as follows: Chilhowee Lake 131,000 Rainbow fingerlings and 7,100 Kokanee salmon; Chilhowee tailwater 35,000 Rainbow fingerling and 8,000 Brown fingerling; Watauga Lake 85,000 Rainbow fingerling and 5,375 Kamloops trout; Wilbur Lake 50,000 Rainbow fingerling; Wilbur tailwater 25,000 Rainbow fingerling; Norris Lake 25,000 Rainbow fingerling; Norris tailwater 30,000 Rainbow fingerling; Calderwood Lake 17,500 Rainbow fingerling, 1,000 adult Rainbow and 7,100 Kokanee salmon; South Holston Lake 15,000 Rainbow fingerling; South Holston tailwater 30,000 Rainbow fingerling; Apalachia tailwater 25,000 Rainbow fingerling.

In addition to the above cold-water fish stockings, White's Creek, a tributary of Norris Lake, received a planting of 100,000 Rainbow eggs during the same period. From this planting an eighty-five per cent hatch was observed.

## Dunlap-Stanley Lead 'Shoe Loop

The horseshoe pitching team of Dunlap-Stanley are leading the Y-12 Horseshoe League according to the latest results in the loop. All teams won by a three point margin last week, Dunlap-Stanley over Tiller-Petty, Greene-Hartlage over Freeman-Martin, Kendig-Coley over Tiller-Petty and Beckett-Smith over Raper-Tripp.

Team	W	L
Dunlap-Stanley	6	0
Kendig-Coley	6	0
Beckett-Smith	6	0
Greene-Hartlage	3	3
Raper-Tripp	3	3
Tiller-Petty	0	6
Berry-Kaylor	0	6
Freeman-Martin	0	6

## Rides Wanted, Offered

Ride wanted from 114 Latimer Road in Oak Ridge to West Portal, J Shift. A. T. Jinks, plant phone 7-8529, home phone 5-6258.

Two car pool members wanted from vicinity of Vista Road, Newkirk Lane or Wade Lane in Oak Ridge to North Portal, straight day. Gerald Goldberg, plant phone 7-7938.

Ride wanted or will join carpool from vicinity of 15th Street and Highland Avenue in Knoxville to West or Bear Creek Portal, straight day. R. L. Davis, plant phone 7-8449.

Three riders wanted from North Knoxville vicinity to any portal, H Shift. H. L. Goldston, plant phone 7-8610.

Riders wanted from Whittle Springs Road and Washington Pike in Knoxville to Central or West Portal, straight day. Jim George, plant phone 7-8411, home phone 3-0654, Knoxville.

Ride wanted or will join car pool from 109 Outer Drive in Oak Ridge to East Portal, straight day. J. V. Hawkins, plant phone 7-8520, home phone 2-2537.

Ride wanted or will join car pool from West Haven to West Portal, straight day. B. R. Clark, plant phone 7216, home phone 5-7441, Knoxville.

## TASTY OFFERINGS ARE SET FOR Y-12 SPECIAL LUNCHES

Two more tasty dishes will be offered as entrees on the 50-cent Special Lunch to be served tomorrow, Thursday, July 16, and on next Tuesday, July 21, at the Y-12 Cafeteria. Smoked beef tongue with raisin sauce will be served tomorrow and on next Tuesday chicken croquettes with parsley cream sauce will be the main dish. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.

## Richard Wyrick - Bill Wilburn Win Knoxville Golf Crown

The golfing combination of Richard Wyrick and Bill Wilburn annexed the championship of the Whittle Springs League of Y-12 golfers on July 6th, although they won only two tallies from the team of Sawyer and Hendrix. The Wyrick-Wilburn duo finished the season with a fine record of 48 wins and 12 losses. Bob Loy and Gene Huskisson compiled a good record for the season with 41 wins and 19 losses to finish in the second slot. Al Sawyer and Lester Hendrix finished in the third spot with a tally sheet of 39 wins and 21 losses.

Low scores for the week of July 6th found Sawyer shooting a fine 37 scratch while Leach and Wyrick tied for second with a 38. Wyrick took low handicap honors with a sizzling 31 and Sawyer ran a close second with a 32. Sawyer and Leach took low team honors by shooting 75, reduced to 65 with handicap. Leach substituted for Hendrix on the team.

Final league standing follows:

Team	W	L
Wyrick-Wilburn	48	12
Loy-Huskisson	41	19
Sawyer-Hendrix	39	21
Morgan-Jordan	36	24
Petretzky-Briscoe	35	25
Kovach-Galle	34	26
Leach-Perry	33	27
Bishop-Norris	32	28
Troutman-Coleman	26	34

## Shatley-Kahley Tops In Blue League

The team of Shatley-Kahley continued to be number one in the Blue League of Y-12 golfers in Oak Ridge for the week of June 27 by winning five points from Dehoney-Gregory. The combination of Smith-Bartholomew moved into second place with a shutout win of six points over Early-True. Another six-point win was turned in by Maddux-Luck over Pletz-Roberts. Breman-Hackett clipped Orrison-Thomson for five tallies to move up a notch in the standings. Other league action saw four point wins turned in by Everitt-Lockhart over Matthews-Stout and Wallace-Patterson over Gambill-Hamby.

Low scratch and handicap scores for the week went to Bill Maddux 39-32 and Ed Gambill 39-35.

Team	W	L
Shatley-Kahley	37	11
Smith-Bartholomew	35	13
Gambill-Hamby	32	16
Wallace-Patterson	25	23
Maddux-Luck	23	25
Orrison-Thomson	22	26
Gregory-Dehoney	22	26
Breman-Hackett	21	27
Pletz-Roberts	20	28
Everitt-Lockhart	20	28
Early-True	18	30
Matthews-Stout	9	39

## Arrow Fishing Rules Loosened

A proclamation that more clearly defines and in some instances liberalizes bow and arrow fishing regulations has been passed by the Game and Fish Commission.

The new regulation will make bow and arrow fishing legal in all waters west of Kentucky Lake and in all impounded waters in the rest of the state. All rough fish, including catfish, may be taken in this manner under the new regulation. Unimpounded streams and tributaries east of Kentucky Lake are not open to bow fishing. The bow and arrow may be used instead of a gig in all special gigging seasons subject to the same regulations and restrictions which apply to gigging in these areas. Bow fishing is allowed from sunrise to sunset only and a valid fishing license is required to participate in the sport.



## Golf Deadline Set For July 24

Y-12 golfers are reminded of the deadline noon, Friday, July 24, for entering the Gatlinburg tournament. The tourney will be held on Saturday, July 25 at the Gatlinburg Country Club. The starting times for the event will begin at 7 a.m. and extend to 10:30 a.m. with foursomes to be scheduled to start at seven-minute intervals.

The Y-12 Recreation Office will start accepting choice tee-off times for the event at 8 a.m. tomorrow, Thursday, July 16.

Golfers in the tournament will be assigned to four divisions, according to their handicaps. Prizes of golf balls will be awarded for low four scratch and handicap scores and for the most and next most number of pars scored during the 18 holes of play.

The Gatlinburg Club management requests that ball marks on the greens be repaired immediately, also anyone desiring to play after the tournament should check with the club professional.

In case of rain, the tournament will be postponed to a later date.

## Clabough-Spradlin Tops In L.C. Loop

F. K. Clabough and Charles Spradlin moved to the number one spot in the Lenoir City League of Y-12 Golfers last week by winning three and one-half points from Frank Kennedy and Charles Beckett. Clabough and Spradlin have now won nine and one-half tallies. Walt Simmons and Mac Wright knocked Tom Harris and Tom Verner out of the top rung by winning three and one-half points in a fine match. The biggest margin of the week was by four points with Jim Thompson and E. N. Rogers winning over W. A. Rutherford and H. C. Huston. L. C. Watson and W. C. Collins took three markers from E. S. Hardy and C. E. Harris while the team of W. M. James-A. E. Perry took a trio from S. D. Peters-P. J. Arrowood.

Spradlin took low handicap honors for the week by shooting a 47 reduced to 34 with handicap. Other low scores included Kennedy 41-37, Simmons 43-37, C. E. Harris 43-37, Clabough 44-38 and Arrowood 44-37.

Team	W	L
Clabough-Spradlin	9 1/2	2 1/2
Rogers-Thompson	9	3
Simmons-Mac Wright	7 1/2	4 1/2
Tom Harris-Verner	6 1/2	5 1/2
Peters-Arrowood	6	6
James-Perry	6	6
Hardy-C. E. Harris	5	7
Kennedy-Beckett	4 1/2	7 1/2
Watson-Collins	4	8
Huston-Rutherford	2	10

## Drouth Threatens State Waterfowl

The Mississippi Flyway which feeds migrating waterfowl into Tennessee might well be prepared for a short duck season, a reduction in bag limits or even a no-open duck season, according to information released by the National Wildlife Federation. Drought conditions which have dried up many of the prairie potholes of Canada are responsible for this dire prediction. The shortage of water in the Canadian breeding grounds plus the extensive drainage programs in some of our prairie states may seriously curtail waterfowl hunting throughout the entire flyway, according to the report.



"They all want me to tell their wives they're allergic to dust so they can get out of spring cleaning!"



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Continued from Page 2

McCart is just going to stay at home in the shade . . . **J. J. Winslett** staying at home in Oak Ridge. . . . **J. A. Moon** took off for Ky. . . . **D. R. Byrd** journeyed up to Michigan . . . **E. J. Coffman** went to the big city of N.Y. . . . **M. F. Hazelwood** is building a new front porch . . . **W. F. Quimby** going to visit his son, who is in the Marines in N.C. . . . **E. J. Hill** is staying at home in Rockwood . . . **J. R. Neal** is moving into his new home . . . Stay-at-homers are **L. E. Patrick** and **F. O. Hixon** . . . **W. Shadden** going to do some fishing. . . . **K. W. Silvers** chasing the finny tribe on Norris Lake . . . **M. R. Nations** off to Daytona . . . **B. C. Dixon** meandered to Illinois. . . . **Willie Crowe** is taking it easy around Harriman as is **C. B. Wilson**.

Production Control welcomes newcomers **Harry C. Conner**, **J. D. Anderson**, **Frank E. Liggett**, **J. E. Crone**, **Cleon S. Hartman**, **Henry W. Clear** and **John Lewis** . . . **Bill Lanter** has transferred to Industrial Relations while **K. O. Pearson** is moving to the Development Division—best of wishes go with the two of them . . . Let's vacation for awhile—**Tom Adkins** went to Cumberland Falls State Park . . . **John Harding** stayed at home in Oak Ridge . . . **Pat Matlock** in Daytona—also Pat made a pretty bridesmaid in the wedding of her college roommate in Kingsport recently . . . **Al Fischer** in St. Petersburg, Fla. . . . **K. O. Pearson** also in the sunny state . . . **L. D. Strader** in Chicago . . . **Al Wilson** is anticipating a vacation on a dude ranch in Colorado . . . **Rita McNamee** is all smiles these days with a new diamond ring . . . **Bill Gant** is over the miseries . . . Deepest sympathy to **W. C. Morrow**, whose mother passed away recently; to **J. E. Pace**, whose grandmother passed away; and to **Koleen Gentry**, whose father died recently . . . Congratulations to **Jack Johnson** and wife on the arrival of a baby daughter . . . Get well wishes go to **H. G. Conner's** mother who suffered a serious fall recently.

**Z. Area** sends word that **Earl Gouge** is going on vacation to Colorado . . . **W. P. Campbell** journeyed to Daytona . . . Welcomed back from vacation are **Steve Pelizzari**, **Jimmy Helms**, **C. F. Jarvis**, **D. E. Plemens**, **Leo Tilley** and **Chester Yeary**.

**INDUSTRIAL RELATIONS**

Captain **H. W. Krouse** and family are off to Arlington, Va., Washington and Baltimore to visit relatives . . . **Lt. E. M. Hunnicutt** is vacationing at home in Oak Ridge. . . . **J. T. Maxwell** took his family to Daytona Beach . . . **E. E. Gregory** is taking his leisure time at home in Kingston . . . Get well wishes go to **Guards L. W. LaRue**, **S. H. Kesterson** and **Fireman T. E. Ford**.

**Arthur J. Hines**, Insurance Department, and his family journeyed up to Minnesota on vacation to visit relatives.

**MAINTENANCE**

The Maintenance Division as well as the entire Y-12 Plant ex-

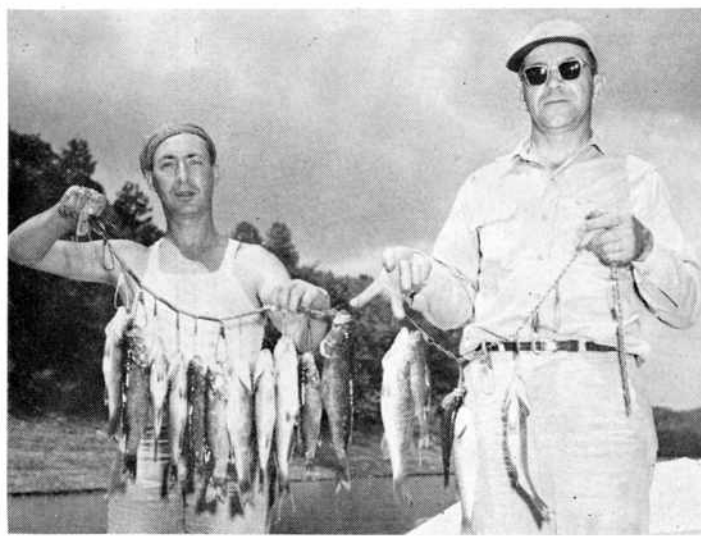
tends deepest sympathy to **Loretta** and **Carl McBee** in the tragic loss of their little daughter in a house boat fire recently; a speedy recovery is sent to **Carl** who is hospitalized at this time.

Good deed for the week goes to **Maynard Duncan**, of the Mechanical Department, who found and returned a billfold to **S. P. Eubanks**, of Buildings and Grounds.

**H. E. Robinson**, of Electrical Maintenance, is on vacation in Fontana Village . . . **J. F. Johnson** is getting a suntan at Daytona . . . **H. W. Montgomery** and family is enjoying the Florida sunshine . . . **C. R. Eastland** is spending a week visiting his mother in Livingston and another week in Virginia . . . **J. R. Baumgarner** is taking it easy at home after a recent operation. . . . **E. B. Kimbro** is at Panama City, Florida . . . Get well wishes go to **H. T. Christie**, **T. A. McFarland**, **H. L. Vandergriff**, **J. H. Whidden**, **J. Miller**, **E. L. Hendrix**, **W. D. Hixon** and **N. L. Derryberry** . . . The welcome mat was laid out for **A. A. Crabtree**, **W. T. Goodwin**, **W. C. Coffey** and **J. W. Tubbs** . . . **J. H. Key** is interested in finding people to go on a hunt at Tellico.

**John Webb**, of the Janitors Department, spent a week of his vacation at home . . . **James Arnold** is in Detroit visiting his daughter. . . . **Bertha Craig** is staying at home . . . **William Wormsley** and son spent a recent week-end in Alabama . . . **Willie Gibson** and family went to Daytona for two weeks . . . **George Massengill** and family went to Cleveland, Ohio. . . . Get well wishes are sent to **Lou Emma Billingsley**, **Ann Bunch**, **Cleve Cannon** and to the brother of **Gene Robinson**. The department also wishes a speedy recovery to **Virgil Rains** and **R. H. Sharp** . . . **Katie Cole** is spending two weeks visiting friends in Trenton, N.J., Philadelphia and New York.

**J. C. Zimmerman**, Mechanical, worked on his house while on vacation . . . **R. L. McKinney** is going to paint his house while on vacation . . . **Helen Sisson** visited in Kentucky and took in the circus. . . . **K. C. Fritts** is staying at home in South Harriman for a week . . . Get well wishes are sent to **F. G. Daugherty** who is in the hospital in Knoxville and to the son of **W. F. Cooper**, who underwent surgery . . . **R. H. Singleton** is back from visiting in Canada and Niagara Falls and **J. T. Thomas** is back from Alabama where he has been visiting friends.



**B SHIFT ANGLERS HAD A BIG TIME** in their fishing rodeo recently on Norris Lake. In the picture at left **Elbert Scott**, left; and **Carl W. Frazier**, an assistant shift supervisor; pose with a fine mess of various specie of fish. At right is **R. E. Norton**, Property Sales, who won a prize for landing the best bream in the rodeo.

**Y-12ers With 15, 10  
Years Company Service**

Congratulations to the following Y-12 employees who will complete 15 years of Company Service within the next few days. No Y-12er will observe a 10th employment anniversary within the next few days.

**15 YEARS**

**Clyde H. Drummond**, General Machine Shop, July 15.  
**James T. Calhoun**, Buildings and Grounds, July 17.  
**Noah L. Ensor**, Property, July 17.  
**Ted S. Higgins**, Chemical, July 17.  
**James H. Patrick**, General Machine Shop, July 19.  
**James C. Parker**, Product Processing, July 19.  
**Ernest C. Stinnett**, Forming, July 19.  
**Earl J. Panter**, Research Services, July 19.  
**Raymond S. Phillipi**, Sunflower Foundry.

**Hawaii Brings  
Excellent Health  
Record Into USA**

Hawaii, our newest state, is bringing an excellent health record into the union, it is reported by statisticians of the Metropolitan Life Insurance Company.

Advances in medical practice, improvement in environmental sanitation, and a general rise in living standards are given much of the credit for the good record of the islands. An especially bright feature, the statisticians say, is the marked degree of control gained over the infectious diseases.

For example, tuberculosis mortality in the civilian population of Hawaii was down to the very low rate of 3.1 per 100,000 in 1957, a decrease of more than 50 percent in two years and of about 95 percent since 1940. The 1957 death rate from influenza and pneumonia was only 25.6 per 100,000—half that of 1940. At the same time, the principal communicable diseases of childhood (measles, scarlet fever, whooping cough, and diphtheria) and typhoid fever have been practically eliminated as causes of death.

Striking progress has been made in safeguarding infant life and making childbearing safer in Hawaii. The infant mortality rate in 1957 was 24 per 1,000 live births, compared with 44 in 1940. Currently three fourths of the infant deaths occur in the first month, when mortality is most difficult to control; the comparable proportion in 1940 was three fifths. Over the same period, maternal mortality has dropped from 2.4 per 1,000 live births to 0.4.

Leading causes of death in Hawaii are much the same as those in continental United States, with

**Y-12 Employee Has  
Interesting Exhibit**

Continued from Page 1

part in such recreational activities could play the games with the miniatures — since they are so completely authentic and in proportion.

**Shown On Table At Home**

At his home, Smith displays his miniatures on a table he made for the purpose. The table has a top of Crab Orchard stone that really sets off the redwood carvings. So careful of his prized collection is the Y-12er that he even does his own dusting.

The highlight of the display is a miniature still, which, if enlarged, might work. However, Smith hastens to add that although he knows all about stills, this is the only type with which he has had any dealings. He comes from Nashville, and has lived in Oak Ridge since 1946.

In addition to his wood carvings, Smith has started to work with metal — using a file instead of a knife. A miniature anvil is his first article wrought from metal and the success he gained with the anvil led him to produce small horseshoes and a hammer.

**AEC Starts Program**

Continued from Page 1

oratory. Dual laboratory sessions, alternated with lectures, will permit 12 students to participate in each course. The number to be trained at a particular institution will be flexible, depending on the need of the colleges and the auxiliary facilities available on the individual campuses.

Further information concerning the "Mobile Isotopes Training Program" is available from University Relations Division, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tennessee.

heart disease first and cancer second. Next in order were diseases of early infancy, cerebral hemorrhage, accidents, and influenza and pneumonia. Accidents are the leading cause of death in the 1-24 age group, nearly 45 percent of the fatal accidents in this group resulting from motor vehicle mishaps.

Longevity in Hawaii compares very favorably with that for continental United States. According to the life table for 1949-51, the latest available for Hawaii, the average length of life for males was 67.76 years, or 2¼ more than for males on the mainland. The average for females was 71.29 years, slightly above that for females in the United States.

**J. J. DUGGAN HONORED**

**James J. Duggan**, Director of Safety and Fire Protection of the Union Carbide Chemicals Company, Charleston, W. Va., has been elected president of the Society of Fire Protection Engineers.

**UCC Products  
Help Large  
Building Jobs**

An airport control tower in New York, a chemicals plant in Texas, a concrete road in California all have one thing in common. They're stronger and longer lasting because of Union Carbide products. These three construction jobs are typical of thousands of projects being built better with chemicals, plastics, metals, and gases from the Divisions of Union Carbide.

Let's look at that airport control tower. This particular tower dominates the new Terminal City at New York's International Airport (Idlewild). The poured-concrete sections of its base are joined with "durajoint" waterstops, made of vinyl resins. The waterstops prevent water from seeping into and eroding the concrete; they are not affected by salt-water corrosion. (Idlewild is situated smack on Jamaica Bay).

Union Carbide's plastics also play an important part in highway construction. Polyethylene is used in long rolls as a curing blanket for newly laid concrete. The time and money saved should stretch out considerably the billions of taxpayer dollars to be spent in the coming decade on our national highway program.

Amines, added to asphalt, bind this building material to its gravel or stone aggregate. Water repellents protect concrete highways from powdering, weathering, and chipping.

Thanks to ferromanganese, steel for construction machinery has the toughness required to move tons of earth daily. Many of today's new schools, hospitals, and office buildings are sheathed with "curtain wall" panels of stainless steel.

During 1956, contracts were let for more than \$17,000,000 worth of construction jobs. Products developed through UCC research insure that this new construction is better built and longer lasting than would have been possible only a few short years ago.



"Maybe if you developed better safety habits you could shed that thing."